

horizontal-slurrypump.com

R410A Multifunction Geothermal Ground Source Heat Pump Water To Water **Automaticly Defrosting**

Basic Information

. Place of Origin: Guangzhou China

. Brand Name: horizontal-slurrypump.com CE ISO CCC UKAS, ROHS · Certification:

Model Number: Minimum Order Quantity: 5 PCS • Price: Negotiation · Packaging Details: Plywooden case

• Delivery Time: 15 days

Payment Terms: T/T, L/C WESTERN UNION

. Supply Ability: 800/MONTH



Product Specification

• Materail: Galvanized Steel Sheet

· Contactor: Fuji Brand • Copper Pipe Thick: 1 Mm

. Compressor: ZW Series ,With Crank Heating

Working Temperature: -20--45 Degree

Foam Pack Pipe And Stick On The Machine . Insulation:

Innner

· Defrosting: Automaticlly • Temperature: 80 Degree

• Highlight: geothermal heat pump



More Images



Product Description

R410A Multifunction geothermal ground source heat pump water to water

Technology Specification

Water source heat pump Sheet data

MODEL		1.1	MDO4ED
MODEL		-	MDS15D
Rated heating capacity		KW	5
Hot water supply		L/h KW	100
	Average heating input power		1.2
	g input current	Α	6
Max outlet w	ater temp		80
COP			4
Power			220V/50
Noise		Db(a	50
Dimension	W*D*H	mm	657×557×765
Packing size W*D*H		mm	737×637×915
Unit weight	'	KG	75
Refrigerant			R134A
Working air t	temp range	+	(-40)—45
compressor	Туре	\vdash	Panasonic
water source	1 * '	-	Plate heat
heat	Type		exchange
exchanger	Pipe size	DN	25
	Туре		Coil heat
	1 **		exchanger
Hot water	Water flow	L/H	2000L/h
side heat	Water pressure down	Kpa	30
exchange	Pipe size	DN	<u> </u> 25
	Max house	140	
	heating	M2	40
MODEL			MDS20D
Rated heatin		KW	7
Hot water supply		L/h	1150
		I	1
Average hea	iting input power	KW	1.7
Average hea Rated heatir	ating input power	I	1.7 9
Average hea Rated heatir Max outlet w	ating input power	KW	1.7 9 80
Average hea Rated heatir	ating input power	KW	1.7 9 80 4
Average hea Rated heatir Max outlet w COP	ating input power	KW	1.7 9 80 4 220V/50
Average hea Rated heatir Max outlet w COP Power	ating input power	KW A V/Hz Db(a	1.7 9 80 4 220V/50
Average hea Rated heatin Max outlet w COP Power Noise	uting input powering input current vater temp	KW A V/Hz Db(a	1.7 9 80 4 220V/50
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight	uting input powering input current vater temp	KW A V/Hz Db(a)	1.7 9 80 4 220V/50 50 657×557×765
Average hea Rated heatin Max outlet w COP Power Noise Dimension Packing size	uting input powering input current vater temp	KW A V/Hz Db(a) mm mm	1.7 9 80 4 220V/50 50 657×557×765 737×637×915
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight	w*D*H	KW A V/Hz Db(a) mm mm	1.7 9 80 4 220V/50 50 657×557×765 737×637×915
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor	w*D*H weemp range Type	KW A V/Hz Db(a) mm mm	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor	w*D*H weemp range Type	KW A V/Hz Db(a) mm mm	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat	w*D*H weemp range Type	KW A V/Hz Db(a) mm mm KG	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source	w*D*H weemp range Type	KW A V/Hz Db(a) mm mm	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat	w*D*H weemp range Type	KW A V/Hz Db(a) mm mm KG	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger	w*D*H w*D*H weemp range Type Pipe size Type	KW A V/Hz Db(a) mm mm KG	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat	w*D*H w*D*H emp range Type Pipe size	KW A V/Hz Db(a) mm mm KG	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger	w*D*H w*D*H weemp range Type Pipe size Type Water flow Water pressure	KW A V/Hz Db(a) mm mm KG DN	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat	w*D*H w*D*H w*D*H w*D*H per range Type Pipe size Type Water flow Water pressure down Pipe size Max house	KW A V/Hz Db(a) mm mm KG DN L/H Kpa	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat exchange	w*D*H w*D*H weemp range Type Pipe size Type Water flow Water pressure down Pipe size	KW A V/Hz Db(a) mm mm KG DN L/H Kpa DN M2	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30 25 55
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat exchange	w*D*H w*D*H w*D*H emp range Type Pipe size Type Water flow Water pressure down Pipe size Max house heating	KW A V/Hz Db(a) mm mm KG DN L/H Kpa DN M2 Unit	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30 25 55 MDS30D
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat exchange	w*D*H w*D*H w*D*H pemp range Type Pipe size Type Water flow Water pressure down Pipe size Max house heating	KW A V/Hz Db(a) mm mm KG DN L/H Kpa DN M2 Unit KW	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30 25 55 MDS30D 12
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat exchange MODEL Rated heatir Hot water su	w*D*H w*D*H w*D*H w*D*H iemp range Type Pipe size Type Water flow Water pressure down Pipe size Max house heating	KW A V/Hz Db(a) mm KG DN L/H Kpa DN M2 Unit KW L/h	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30 25 55 MDS30D 12 260
Average hea Rated heatir Max outlet w COP Power Noise Dimension Packing size Unit weight Refrigerant Working air t compressor water source heat exchanger Hot water side heat exchange MODEL Rated heatir Hot water su Average hea	w*D*H w*D*H w*D*H pemp range Type Pipe size Type Water flow Water pressure down Pipe size Max house heating	KW A V/Hz Db(a) mm mm KG DN L/H Kpa DN M2 Unit KW	1.7 9 80 4 220V/50 50 657×557×765 737×637×915 75 R134A (-40)—45 Panasonic Plate heat exchange 25 Coil heat exchanger 2000L/h 30 25 55 MDS30D 12

Max outlet w	ater terrip	-	80 4
COP		\// U =	4 220V/380V/50
Power		Db(a	
Noise)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	108
Refrigerant			R134A
Working air t compressor	Type		(-40)—45 Copeland
water source		-	Plate heat
heat	Туре		exchange
exchanger	Pipe size	DN	25
	Туре		Coil heat
	Water flow	L/H	exchanger 3300L/h
Hot water	Water pressure	-	
side heat exchange	down	'	35
	Pipe size	DN	25
	Max house heating	M2	100
MODEL	<u> </u>	Unit	MDS40D
Rated heatin	g capacity	KW	16
Hot water su		L/h	380
	ting input power	KW	4
	g input current	A	9
Max outlet w			80
COP			4.2
Power		V/Hz	380V/50
Power Noise		Db(a	
Dimension	W*D*H	P	657×557×765
Packing size	1	mm	737×637×915
Unit weight	IV DII	KG	145
Refrigerant		ING	R134A
Working air t	emp range		(-40)—45
		-	
compressor	Туре	_	Copeland Plate heat
water source heat	Туре		exchange
exchanger	Pipe size	DN	32
	Type		Coil heat
	Туре		exchanger
Hot water	Water flow	L/H	4000L/h
side heat	Water pressure down	Kpa	40
exchange	Pipe size	DN	25
	Max house heating	M2	125
MODEL	<u> </u>	Unit	MDS50D
		KW	19
Rated heating capacity		L/h	
	Hot water supply		400
Hot water su		1	4.4
Hot water su Average hea	ting input power	KW	4.4
Hot water su Average hea		1	4.4 9
Hot water su Average hea Rated heatin	ting input power	KW	
Hot water su Average hea Rated heatin Max outlet w	ting input power	KW	9
Hot water su Average hea Rated heatin Max outlet w COP	ting input power	KW A	9
Hot water su Average hea Rated heatin Max outlet w COP Power	ting input power	KW A	9 80 4.2 380V/50
Hot water su Average hea Rated heatin Max outlet w COP Power	ting input power	KW A V/Hz	9 80 4.2 380V/50
Hot water su Average hea Rated heatin Max outlet w COP Power Noise Dimension	tting input power g input current ater temp	KW A V/Hz Db(a	9 80 4.2 380V/50 50 657×557×765
Hot water su Average hea Rated heatin Max outlet w COP Power Noise	tting input power g input current ater temp	KW A V/Hz Db(a)	9 80 4.2 380V/50 50

compressor	temp range Type	-	(-40)—45 Copeland
		-	Plate heat
water source heat	Type		exchange
exchanger	Pipe size	DN	32
	<u> </u>	1	Coil heat
Hot water side heat exchange	Туре		exchanger
	Water flow	L/H	5000L/h
	Water pressure down	Kpa	40
	Pipe size	DN	25
	Max house heating	M2	150
MODEL		Unit	MDS60D
Rated heatir	ng capacity	KW	25
Hot water su	ıpply	L/h	520
Average heating input power		KW	6
Rated heatir	ng input current	Α	12
Max outlet w	vater temp		80
COP	<u> </u>	1	4.5
Power		V/Hz	380V/50
Noise		Db(a	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	158
Refrigerant			R134A
Working air	temp range		(-40)—45
compressor			Copeland
water source	1		Plate heat
neat		ļ	exchange
Hot water side heat	Pipe size	DN	32
	Туре		Coil heat exchanger
	Water flow	L/H	6000L/h
	Water pressure		45
exchange	Pipe size	DN	25
	Max house heating	M2	175
Model		Unit	MDS100D
Rated heatir	ng capacity	KW	38
Hot water su		L/h	800
	ıpply	L/h KW	800 8.8
Average hea	upply ating input power	ļ.,	
Average hea Rated heatir	upply ating input power ng input current	KW	8.8
Average hea Rated heatir Max outlet w	upply ating input power ng input current	KW	8.8 18
Average hea Rated heatir Max outlet w COP	upply ating input power ng input current	KW A	8.8 18 80 4.6
Average hea Rated heatir Max outlet w COP Power	upply ating input power ng input current	KW A V/Hz	8.8 18 80 4.6 380V/50
Average hea Rated heatir Max outlet w COP Power	upply ating input power ng input current vater temp	KW A	8.8 18 80 4.6 380V/50
Average hea Rated heatir Max outlet w COP Power Noise	upply ating input power ng input current	KW A V/Hz	8.8 18 80 4.6 380V/50
Average heater Rated heating Max outlet we COP Power Noise Dimension	upply ating input power ng input current vater temp	KW A V/Hz Db(a	8.8 18 80 4.6 380V/50
Average heater Rated heatin Max outlet w COP Power Noise Dimension Packing size	upply ating input power ng input current vater temp	KW A V/Hz Db(a)	8.8 18 80 4.6 380V/50 55 1050*810*760
Average heater Average heater Average heater Max outlet we COP Power Noise Dimension Packing size Unit weight	upply ating input power ng input current vater temp	KW A V/Hz Db(a) mm mm	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910
Average heater Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant	upply ating input power ng input current vater temp W*D*H W*D*H	KW A V/Hz Db(a) mm mm	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290
Average head Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant Working air	w*D*H W*D*H wtemp range	KW A V/Hz Db(a) mm mm	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A
Average head Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant Working air compressor water source	w*D*H W*D*H W*D*H Temp range	KW A V/Hz Db(a) mm mm	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat
Average head Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant Working air compressor water source heat	w*D*H W*D*H W*D*H Temp range	KW A V/Hz Db(a) mm mm	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland
Average head Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant Working air compressor water source heat	w*D*H w*D*H temp range Type	KW A V/Hz Db(a) mm Mm KG	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat exchange 32 Coil heat
	w*D*H w*D*H w*D*H Type Type Pipe size	KW A V/Hz Db(a) mm Mm KG	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat exchange 32
Average head Rated heating Max outlet water Source heat exchanger	w*D*H w*D*H temp range Type Pipe size Type Water flow	KW A V/Hz Db(a) mm KG DN L/H	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat exchange 32 Coil heat exchanger 10000L/h
Average head Rated heating Max outlet we COP Power Noise Dimension Packing size Unit weight Refrigerant Working air compressor water source heat	w*D*H w*D*H w*D*H temp range Type Pipe size Type Water flow Water pressure down	KW A V/Hz Db(a) mm KG DN L/H Kpa	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat exchange 32 Coil heat exchanger 10000L/h
Average head Rated heating Max outlet water source heat exchanger	w*D*H w*D*H ww*D*H temp range Type Pipe size Type Water flow Water pressure	KW A V/Hz Db(a) mm KG DN L/H	8.8 18 80 4.6 380V/50 55 1050*810*760 1140*900*910 290 R134A (-40)—45 Copeland Plate heat exchange 32 Coil heat exchanger 10000L/h

Model		1	MDS150D
Rated heatir	<u> </u>		42
Hot water supply		L/h	1200
Average heating input power		KW	11
Rated heating input current		Α	21
Max outlet water temp			80
COP			4.6
Power			380V/50
Noise		Db(a	55
Dimension	W*D*H	mm	1050*810*760
Packing size W*D*H		mm	1140*900*910
Unit weight		KG	300
Refrigerant			R134A
Working air temp range			(-40)—45
compressor	Туре		Copeland
water source heat	Туре		Plate heat exchange
exchanger	Pipe size	DN	32
	<u> </u>	+-	Coil heat
	Туре		exchanger
	Water flow	L/H	15000L/h
Hot water side heat	Water pressure down	Кра	50
exchange	Pipe size	DN	32
	Max house	M2	350
	heating		
MODEL			MDS200D
Rated heatir		KW L/h	74 1590
Hot water su	ating input power	KW	17.6
		A	36
Rated heating input current Max outlet water temp		+	80
COP		1	4.6
Power		V/Hz	380V/50
Noise		Db(a	58
Dimension	W*D*H	mm	1260×850×860
Packing size	elw.p.H	mm KG	1350×910×1020 630
Unit weight Refrigerant		ING.	R134A
Working air	temp range	1	(-40)—45
compressor	Type	+	Copeland
water source	Typo	1	Plate heat
i i c at			exchange
exchanger	Pipe size	DN	63
	Туре		Coil heat exchanger
		M3/	
Hot water side heat	Water flow Water pressure	Н	20000L/h
exchange	down	Kpa	55
	Pipe size	DN	50
	Max house heating	M2	600
MODEL		Unit	MDS300D
Rated heating capacity		KW L/h	100 2400
Hot water supply Average heating input power		KW	2400 25
Rated heating input current		A	45
Max outlet w		╫	80
COP	· ·	1	4.6
Power		V/Hz	380V/50
Noise		Db(a	
Dimension	W*D*H	mm	1260×850×860
Packing size W*D*H		mm	1350×910×1020
	Unit weight		
		KG	660 R134A

Working air temp range			(-40)—45
compressor	Туре		Copeland
water source heat exchanger	Туре		Tube heat exchange
Hot water side heat exchange	Туре		Coil heat exchanger
	Water flow	M3/ H	30000L/h
	Water pressure down	Кра	60
	Pipe size	DN	50
	Max house heating	M2	730

What is a Geothermal heat pumps:

Geothermal heat pumps systems are one of the most efficient, environmentally friendly ways to heat and cool buildings because each unit responds specifically to the heating or cooling load of the individual zone it serves. These systems are ideal for office buildings, hotels, health care facilities, schools, condominiums and apartments.

The benefits are outstanding - excellent comfort, better efficiency and lower operating costs.

NEW ENERGY water source heat pump absorb heat(energy) from underground water and transfer it to warm and heat the water to **60deg.C**. The house could be warmed up by pumping the hot water to floor heating pipe or radiators. Cooling function is optional in the meantime.

Feature

- 1. Copeland EVI scroll R407C compressor.
- 2. Designed for central heating for houses in cold area including North Europe and East Europe.
- 3. Can work stably at -25DegC ambient and the COP at -15DegC ambient is up to 2.5.
- 4. Can work with auxiliary heater.
- 5. Using electronic expansion valve, achieving accurate, stable and high efficiency throttling.
- 6. Split design, no water system outside, no freezing and damage to water system. Optional refrigerant pipe quick connection is available, to reduce installation cost.
- 7. Low noise design for the outdoor unit. The compressor is on a floating plate to reduce vibration at the most extent. Noise insulation inside the cabinet. The fan is extremely quiet.
- 8. The refrigerant connections are designed to allow hiding all pipes, wires into the ground to ensure good looking installation.



Packaging & Shipment

1> Meeting heat pump can sure delivery heat pump within 5~20 working days as we warehouse stock condition.

- 2> Heat pump with strong plywood pallet , strong plywood box for loading, make sure no problem happen during rude transportation
- 3> All spare parts of the heat pump water heater will together loading into package, one time finished shipment to buyer.
- 4> Take video of the heat pump for buyer before package to 100% sure buyer get product same as order, no any different.

5>Meeting heat pump offer 100% test online, 5% test in Lab by 24 hour for one lot order (if not new model) Packaging Details: Standard export packing -with plywood case packages, OEM is available for Factory price heat pump water

Delivery Time:15 work days after arrival of down payment

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